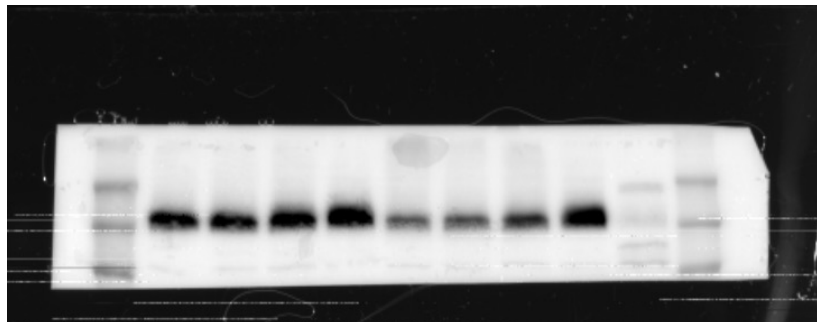
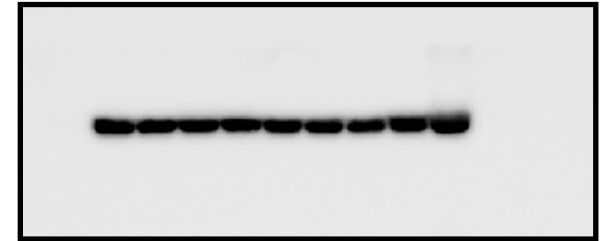




PERK 150kDa



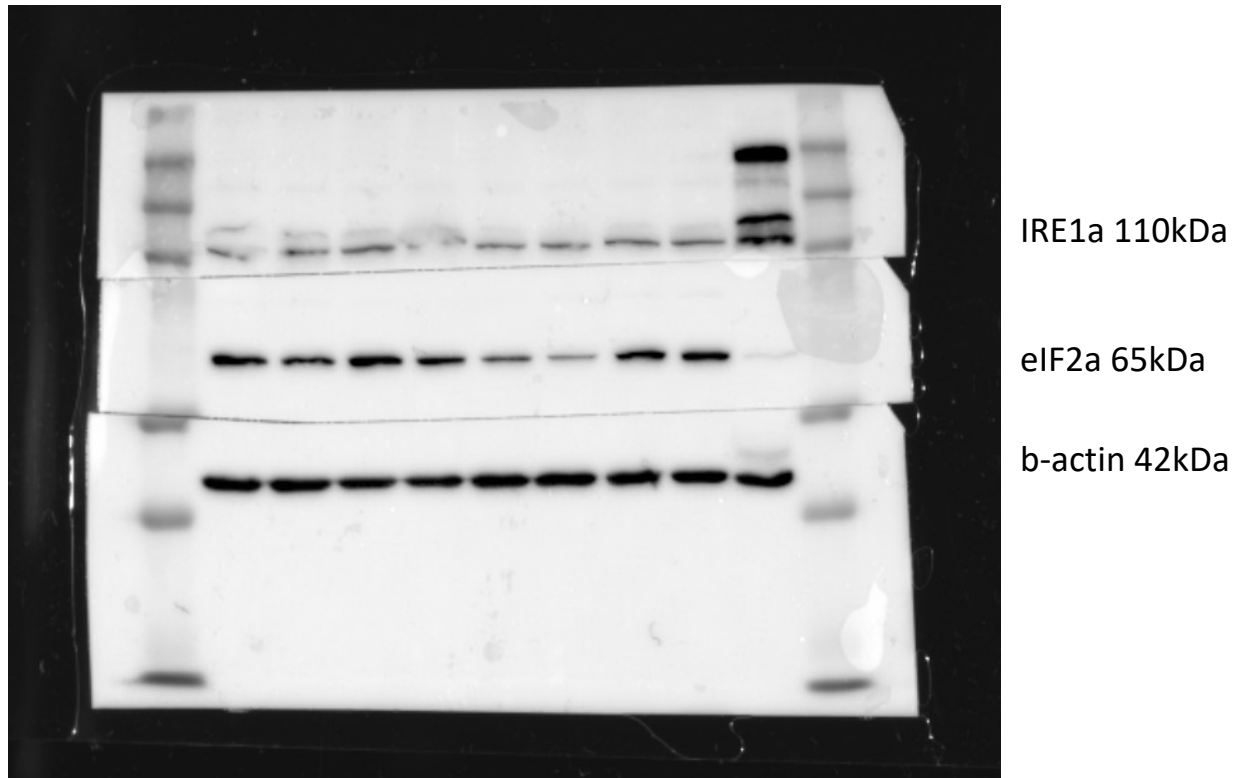
b-actin 42kDa



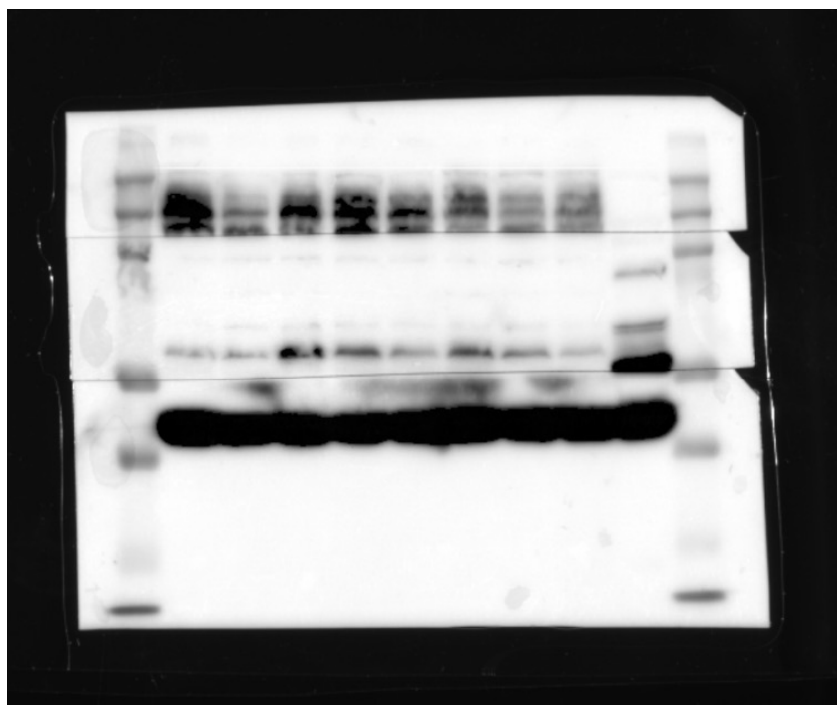
p-IRE1a 150kDa

p-eIF2α 37kDa

- This blot corresponds to **Figure 2A** and **Figure 3A** in the manuscript
- Sample order (from left to right): DMSO(24h), DTG2500(24h), DTG5000 (24h), Tuni(24h), DMSO(48h), DTG2500(48h), DTG5000(48h), Tuni(48h), mouse brain
- Corresponding PERK & b-actin for the same blot is shown separately due to re-blotting
- Dense bands in p-IRE1a blot higher than 250kDa are potentially due to aggregated proteins that did not enter the gel.
- Mouse brain lysate is not shown in the manuscript for simplicity.



- This blot corresponds to **Figure 2A** and **Figure 3A** in the manuscript
- Sample order (from left to right): DMSO(24h), DTG2500(24h), DTG5000 (24h), Tuni(24h), DMSO(48h), DTG2500(48h), DTG5000(48h), Tuni(48h), mouse brain
- Mouse brain lysate is not shown in the manuscript for simplicity.

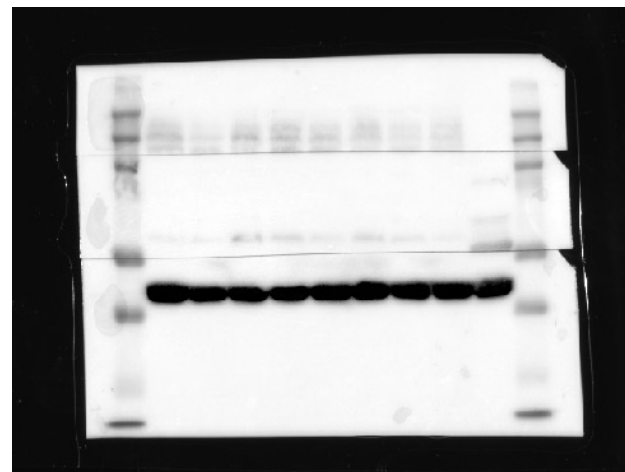


Zo-1 210kDa

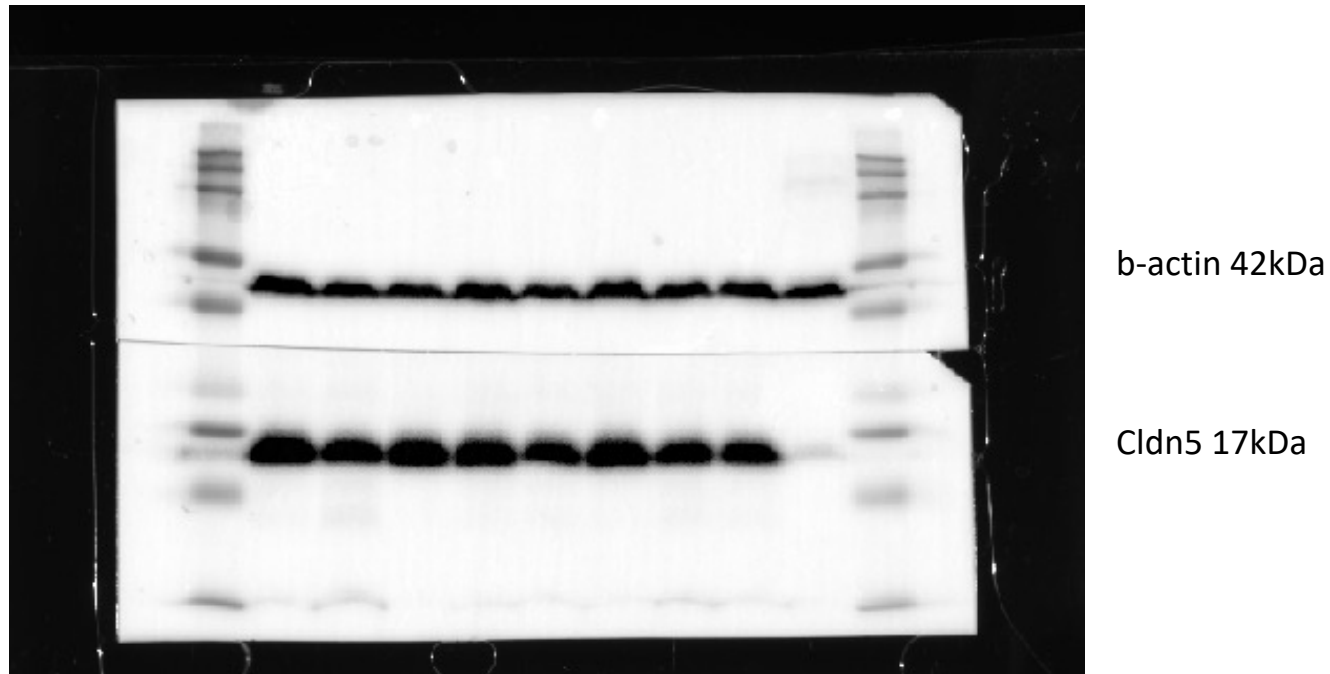
OcIn 63kDa

b-actin 42kDa

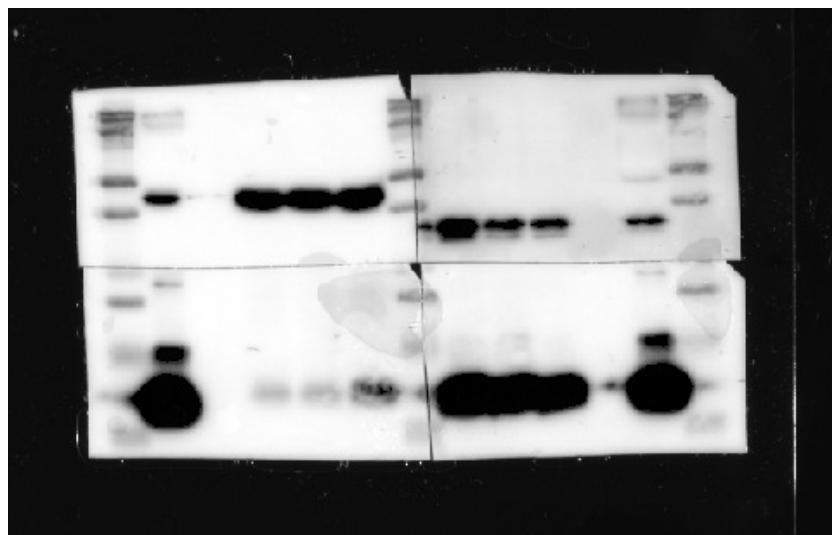
Same blot with different exposure time for proper detection of b-actin.



- This blot (same blot with two different exposure time) corresponds to **Figure 4B** in the manuscript
- Sample order (from left to right): DMSO, DTG, 4PBA, 4u8c, GSK, DTG+4PBA, DTG+4u8c, DTG+GSK, mouse brain
- Mouse brain lysate is not shown in the manuscript for simplicity.

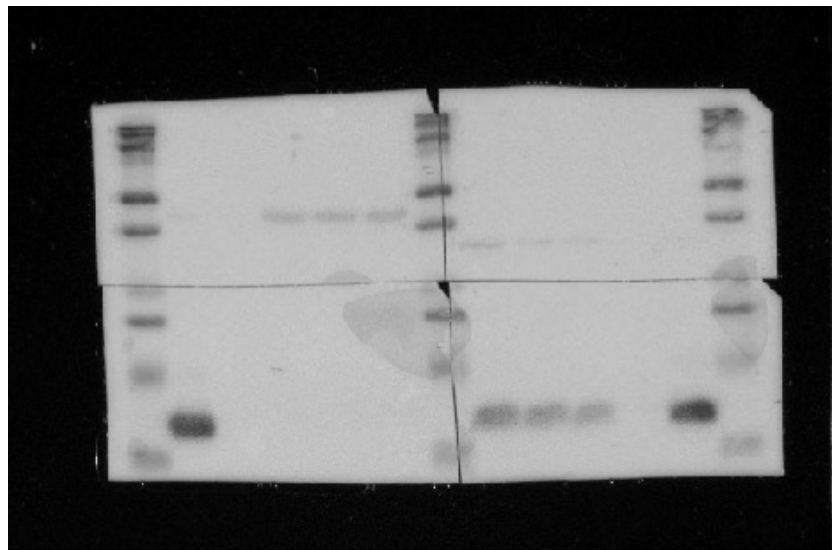


- This blot corresponds to **Figure 4B** in the manuscript
- Sample order (from left to right): DMSO, DTG, 4PBA, 4u8c, GSK, DTG+4PBA, DTG+4u8c, DTG+GSK, mouse brain
- Mouse brain lysate is not shown in the manuscript for simplicity.



b-actin 42kDa
VDAC-1 31kDa

Cyt-c 12kDa



b-actin 42kDa
VDAC-1 31kDa

Cyt-c 12kDa

- This blot (same blot with two different exposure time) corresponds to **Figure 7C** in the manuscript.
- Sample order (from left to right): Mouse brain, blank, DMSO cytosol, DTG cytosol, Tuni cytosol, DMSO mitochondrial, DTG mitochondrial, Tuni mitochondrial, blank, mouse brain
- Mouse brain lysate is not shown in the manuscript for simplicity.